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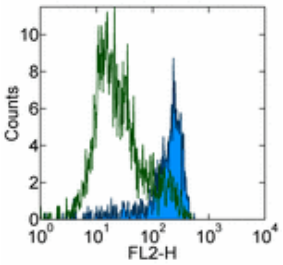
Anti-Mouse CD253 (TRAIL) Purified

Catalog Number: 14-5951
Also Known As:APO2L, TNFSF10
RUO: For Research Use Only



Staining of mouse TRAIL-transfected cells with 0.5 µg of Rat IgG2a κ Isotype Control Purified (cat. 14-4321) (open histogram) or 0.25 µg of Anti-Mouse CD253 (TRAIL) Purified (filled histogram) followed by F (ab')2 Anti-Rat IgG PE (cat. 12-4822). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD253 (TRAIL) Purified
REF Catalog Number: 14-5951
Clone: N2B2
Concentration: 0.5 mg/ml
Host/Isotype: Rat IgG2a, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C.
LOT Batch Code: Refer to Vial
Use By: Refer to Vial
Caution, contains Azide

Description

The N2B2 monoclonal antibody reacts with mouse TNF-related apoptosis-inducing ligand (TRAIL), a member of the TNF superfamily. TRAIL is not detected on the surface of freshly isolated T, B, or NK cells, but can be induced preferentially on $CD3^-$ $NK1.1^+$ NK cells after stimulation with IL-2 or IL-15. N2B2 inhibits IL-2- or IL-15-activated NK cell cytotoxicity against mouse fibrosarcoma L929 target cells.

Applications Reported

N2B2 can be used in flow cytometric analysis, and blocking of TRAIL in functional assays (use Functional Grade purified cat.16-5951).

Applications Tested

The N2B2 antibody has been tested by flow cytometric analysis of mouse TRAIL transfected cells and can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Kayagaki, N., N. Yamaguchi, et al. (1999). Expression and function of TNF-related apoptosis-inducing ligand on murine activated NK cells. J Immunol 163(4): 1906-13.

Hayakawa Y, Screpanti V, Yagita H, Grandien A, Ljunggren HG, Smyth MJ, Chambers BJ. NK cell TRAIL eliminates immature dendritic cells in vivo and limits dendritic cell vaccination efficacy.J Immunol. 2004 Jan 1;172(1):123-9. (PubMed FA in vivo)

Taieb J, Chaput N, et al. A novel dendritic cell subset involved in tumor immunosurveillance. Nat Med. 2006 Feb;12(2):214-9. (PubMed FA in vivo)

Related Products

11-4317 Streptavidin FITC
11-4811 Anti-Rat IgG FITC
12-4317 Streptavidin PE
13-4813 Anti-Rat IgG Biotin (Polyclonal)
14-4321 Rat IgG2a K Isotype Control Purified
17-4317 Streptavidin APC

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